



# REPLACEMENT SHEET

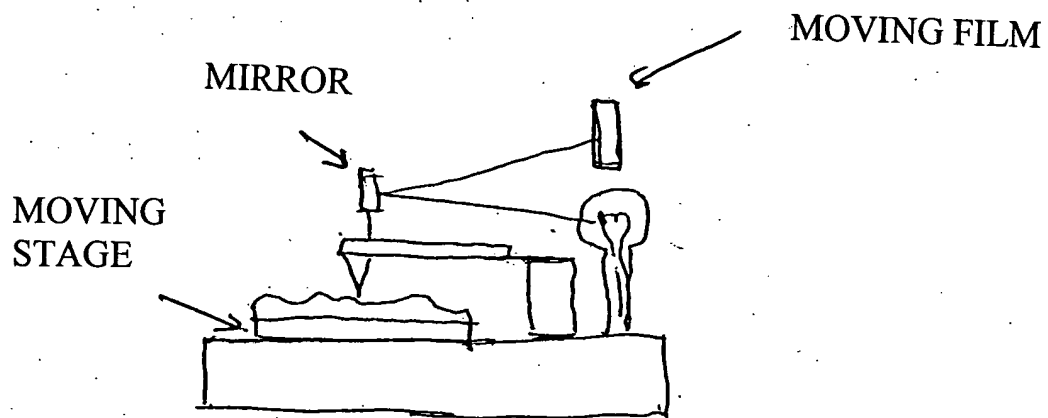


FIGURE 1

# REPLACEMENT SHEET

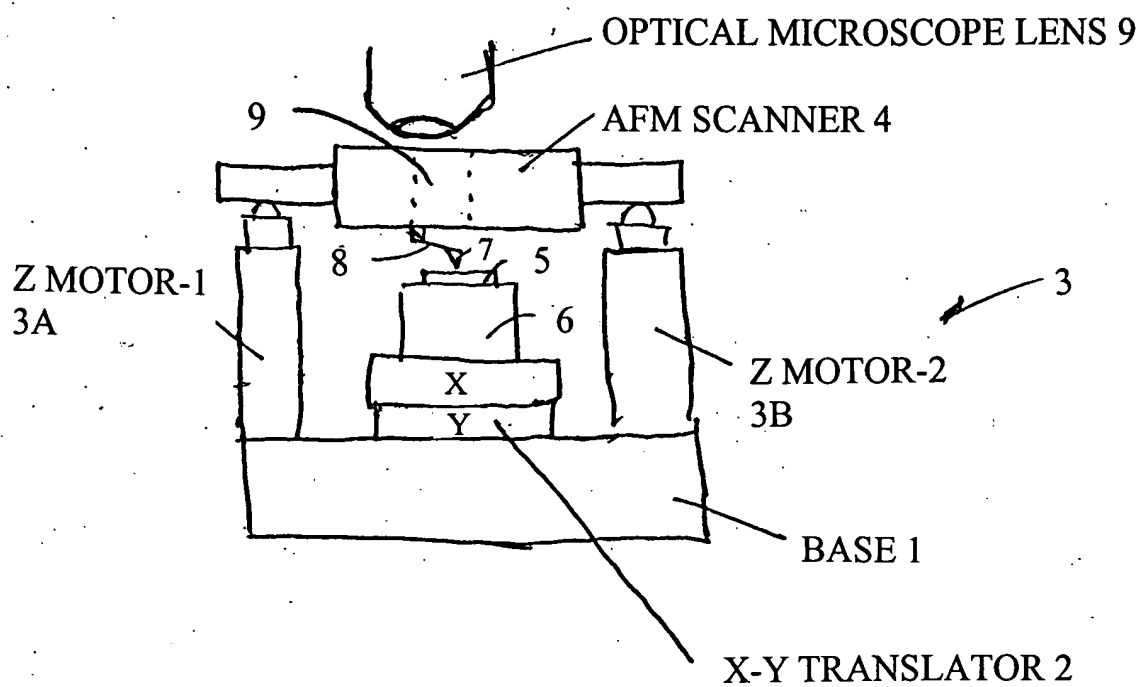


FIGURE 2

# REPLACEMENT SHEET

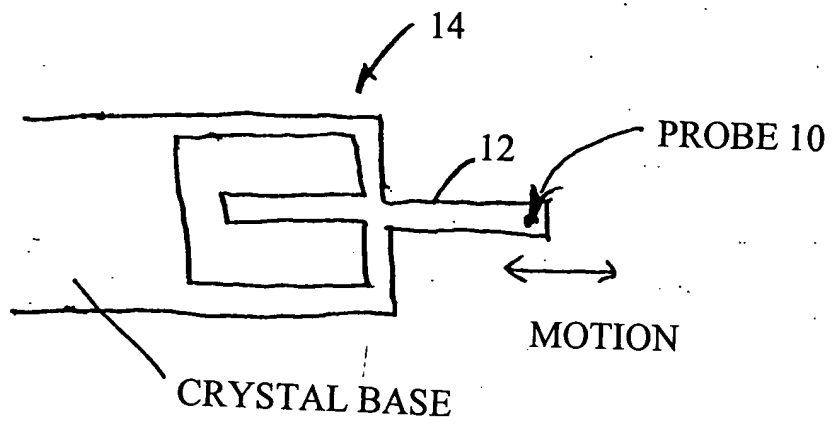
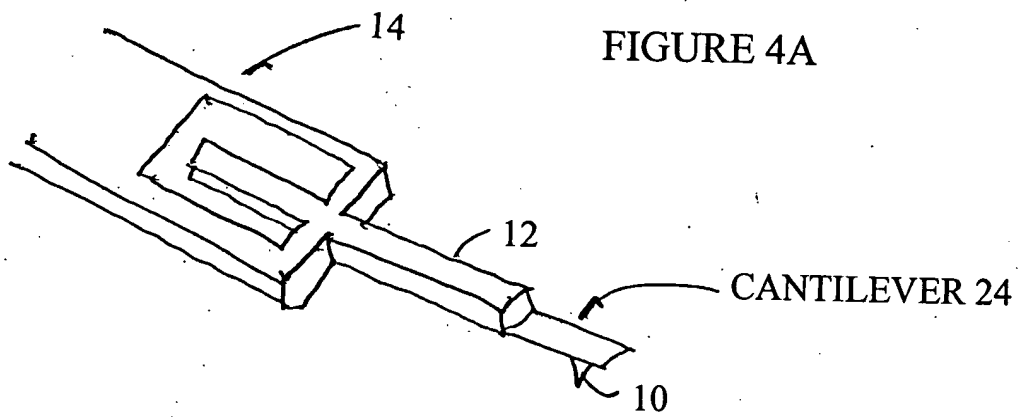
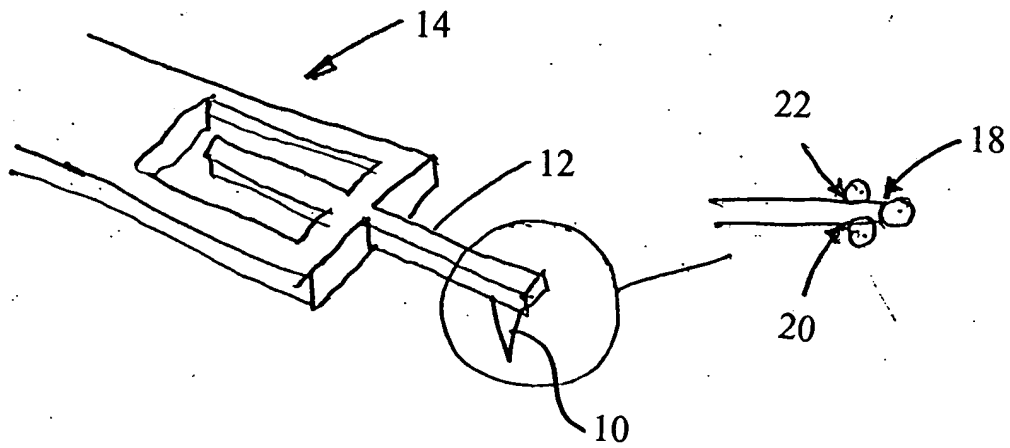


FIGURE 3

# REPLACEMENT SHEET



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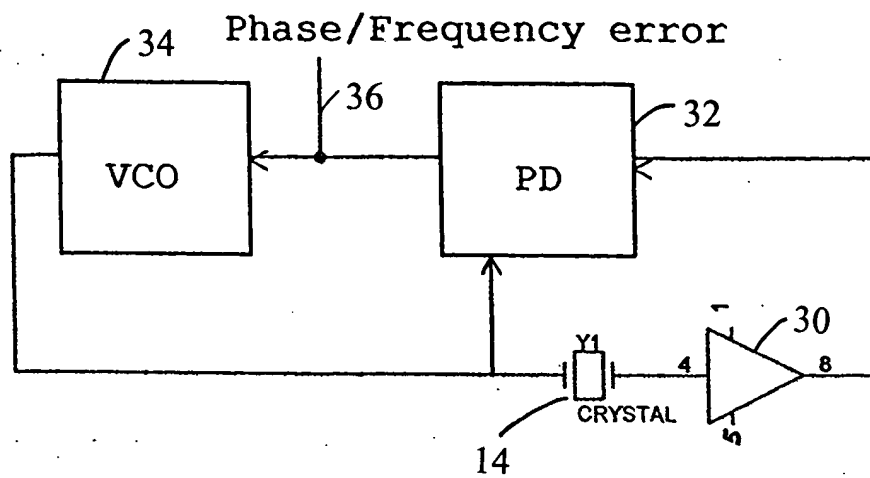


FIGURE 5A

# REPLACEMENT SHEET

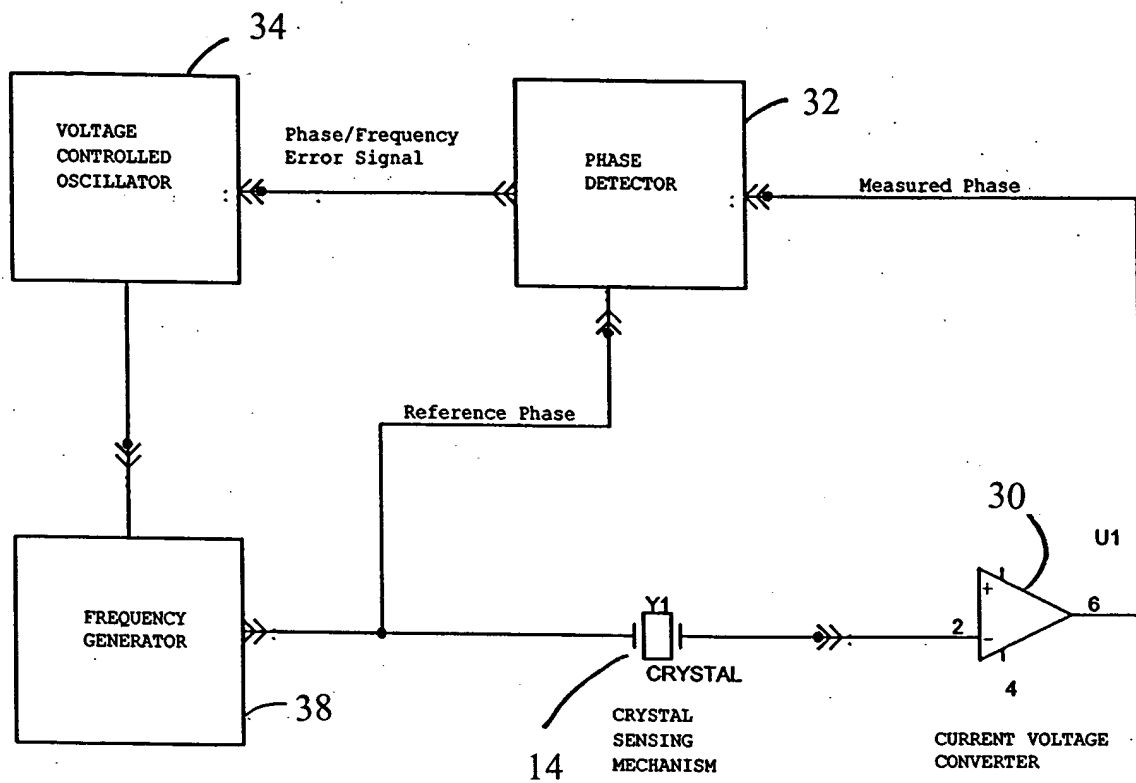


FIGURE 5B

# REPLACEMENT SHEET

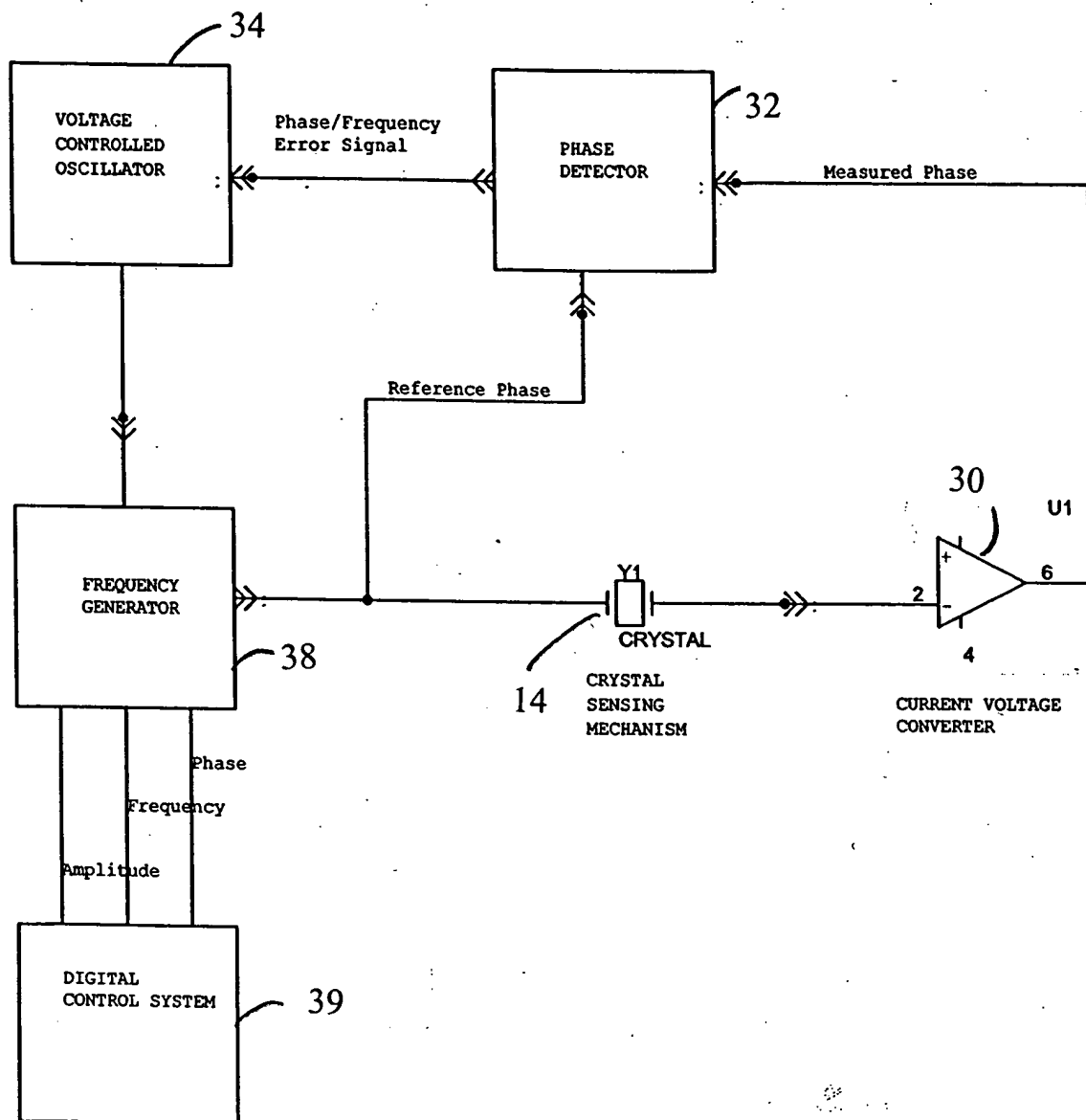


FIGURE 5C

# REPLACEMENT SHEET

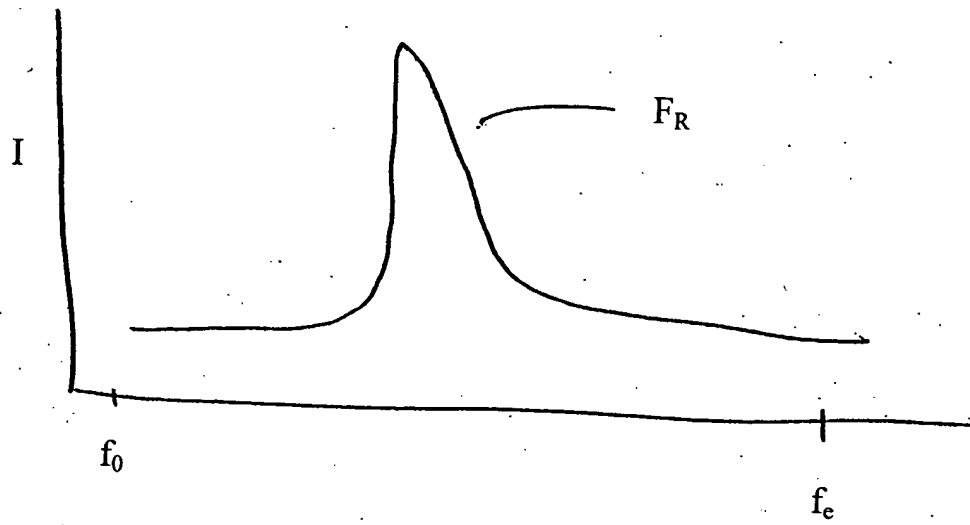


FIGURE 6



# REPLACEMENT SHEET

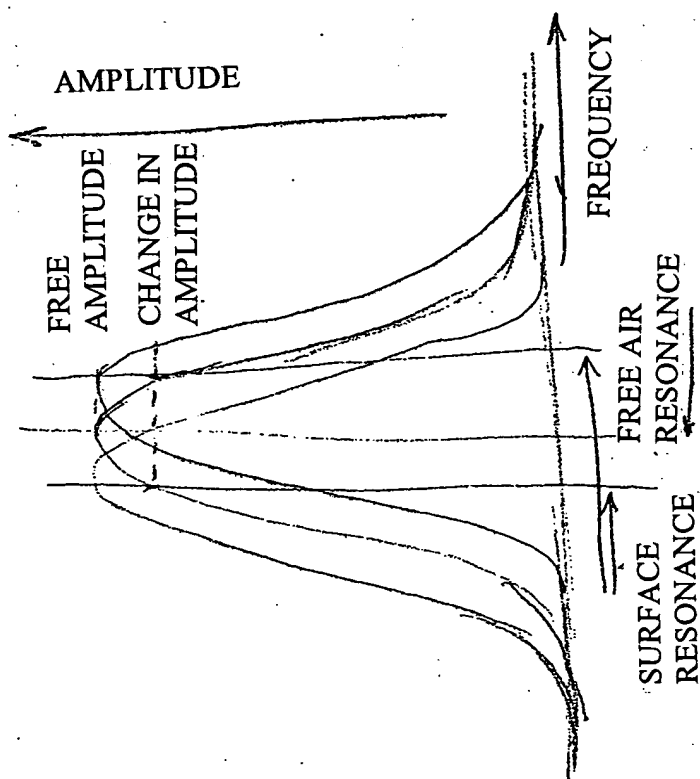
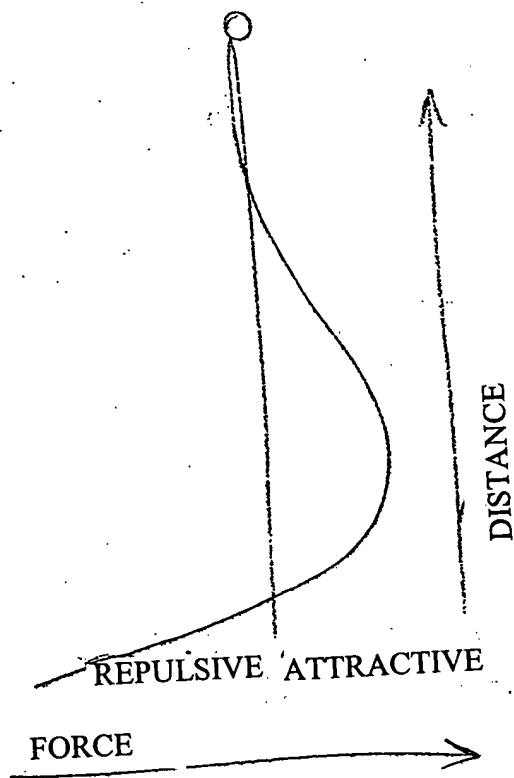
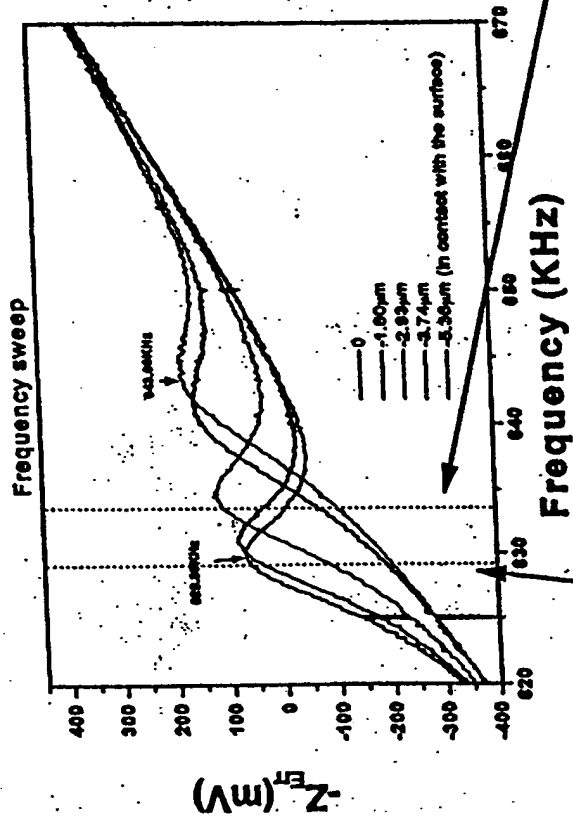


FIGURE 7





Total frequency shift is over 10KHz

Q factor can be about 2000.

Here We reduced the Q to about 200 in order to decrease the settling time of the crystal.

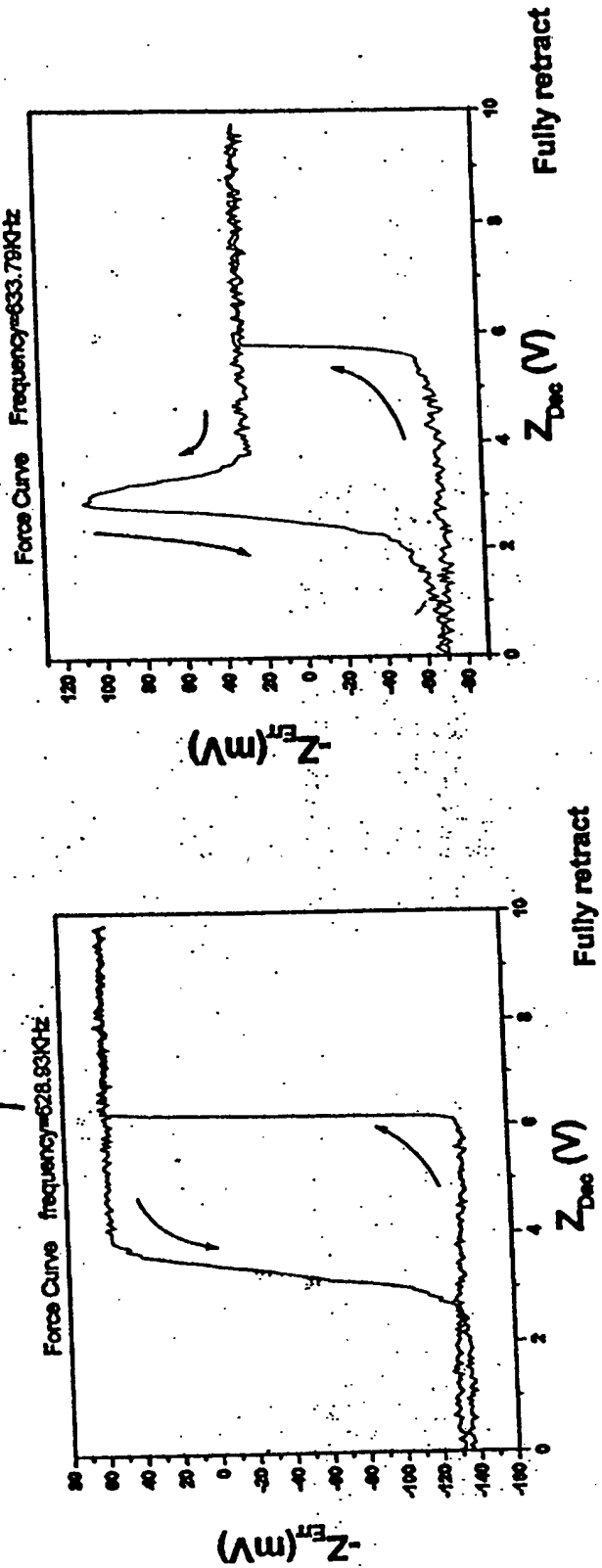


FIGURE 8

REPLACEMENT SHEET

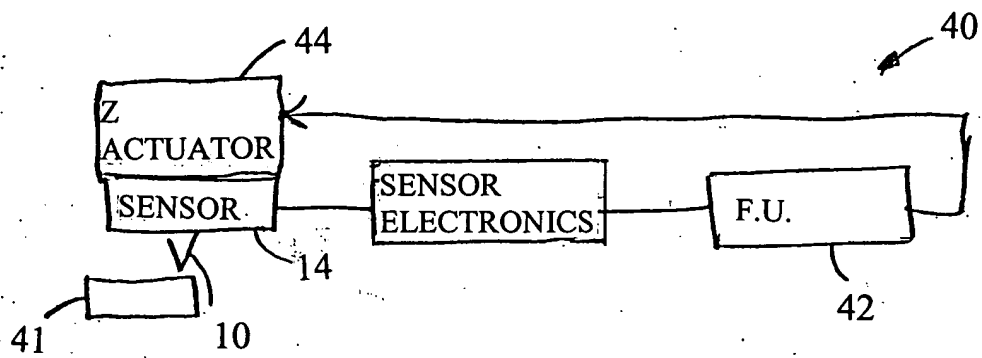


FIGURE 9

# REPLACEMENT SHEET

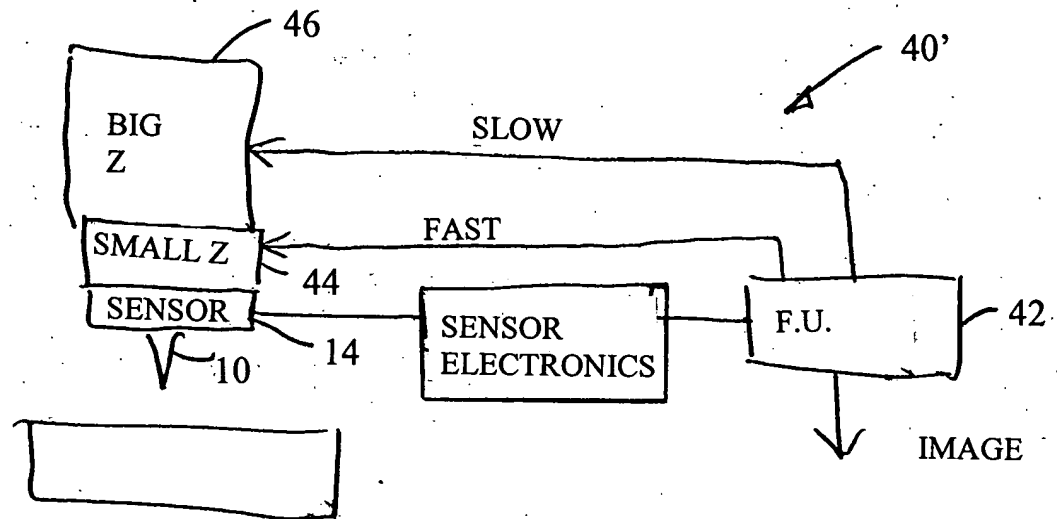


FIGURE 10

# REPLACEMENT SHEET

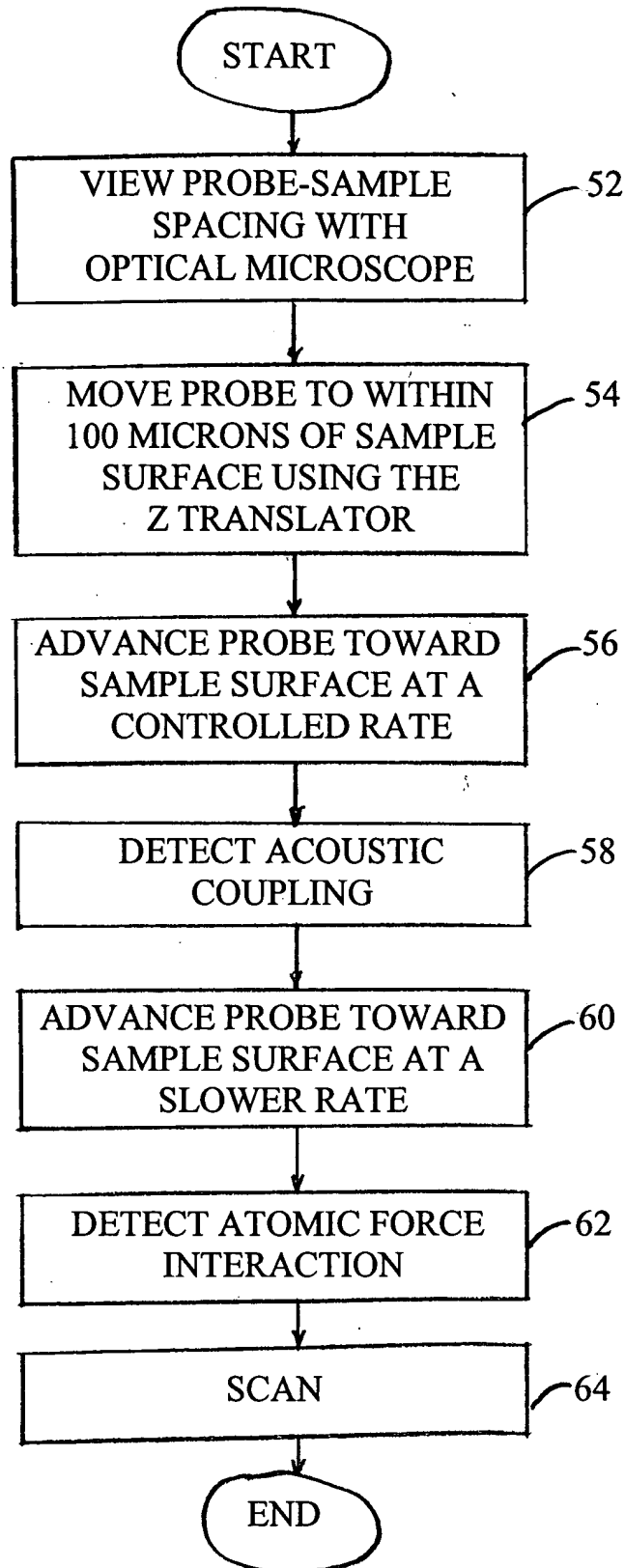


FIGURE 11